



VitaminDWiki.com*

Founded 2009 - Nonprofit

10,000+ Vitamin D studies

6,000+ Charts and tables

1,000+ Articles on related topics

500+ Intervention trials

400+ Meta-analyses

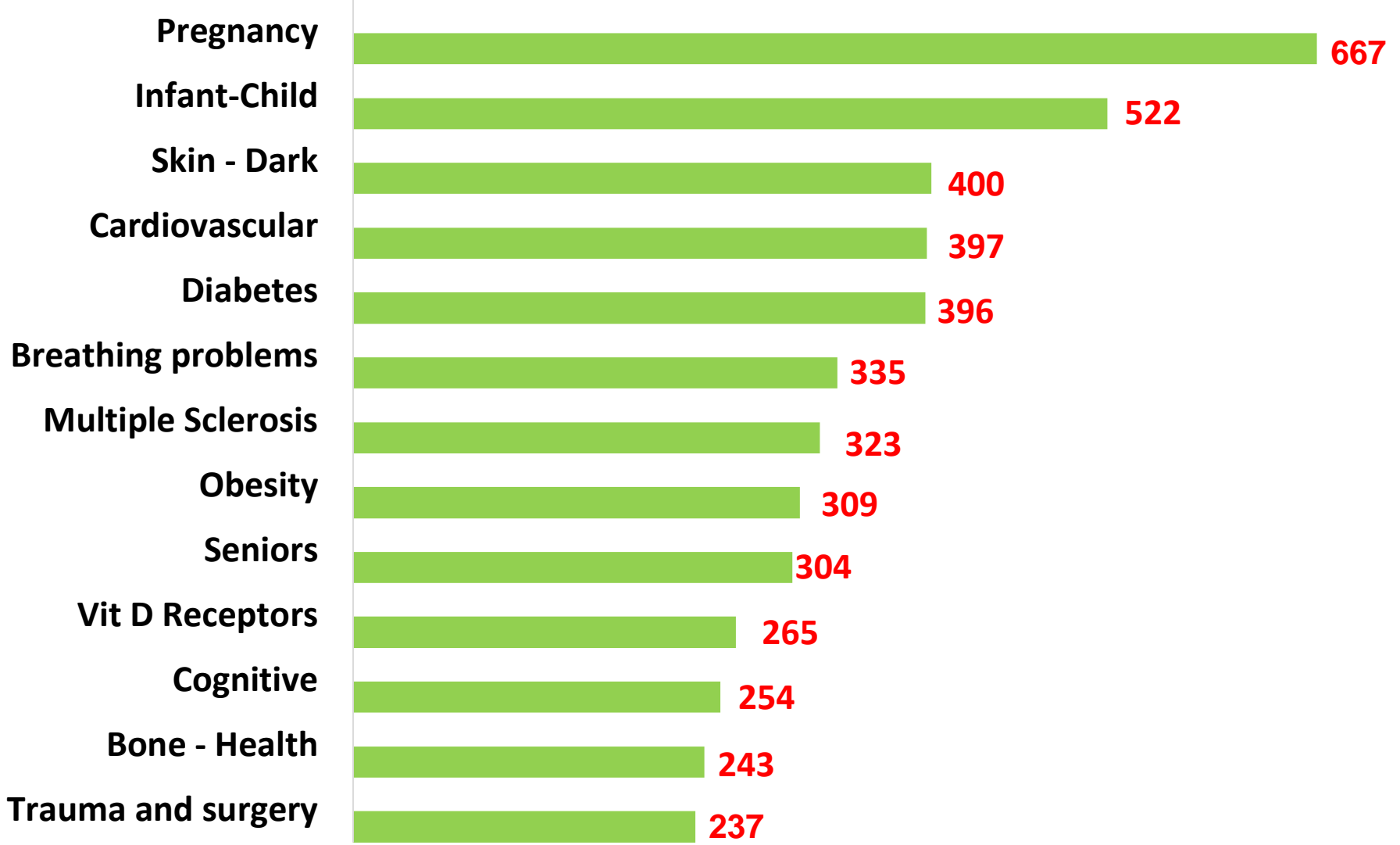
100+ Languages to read and search

160+ Categories

70+ Overviews

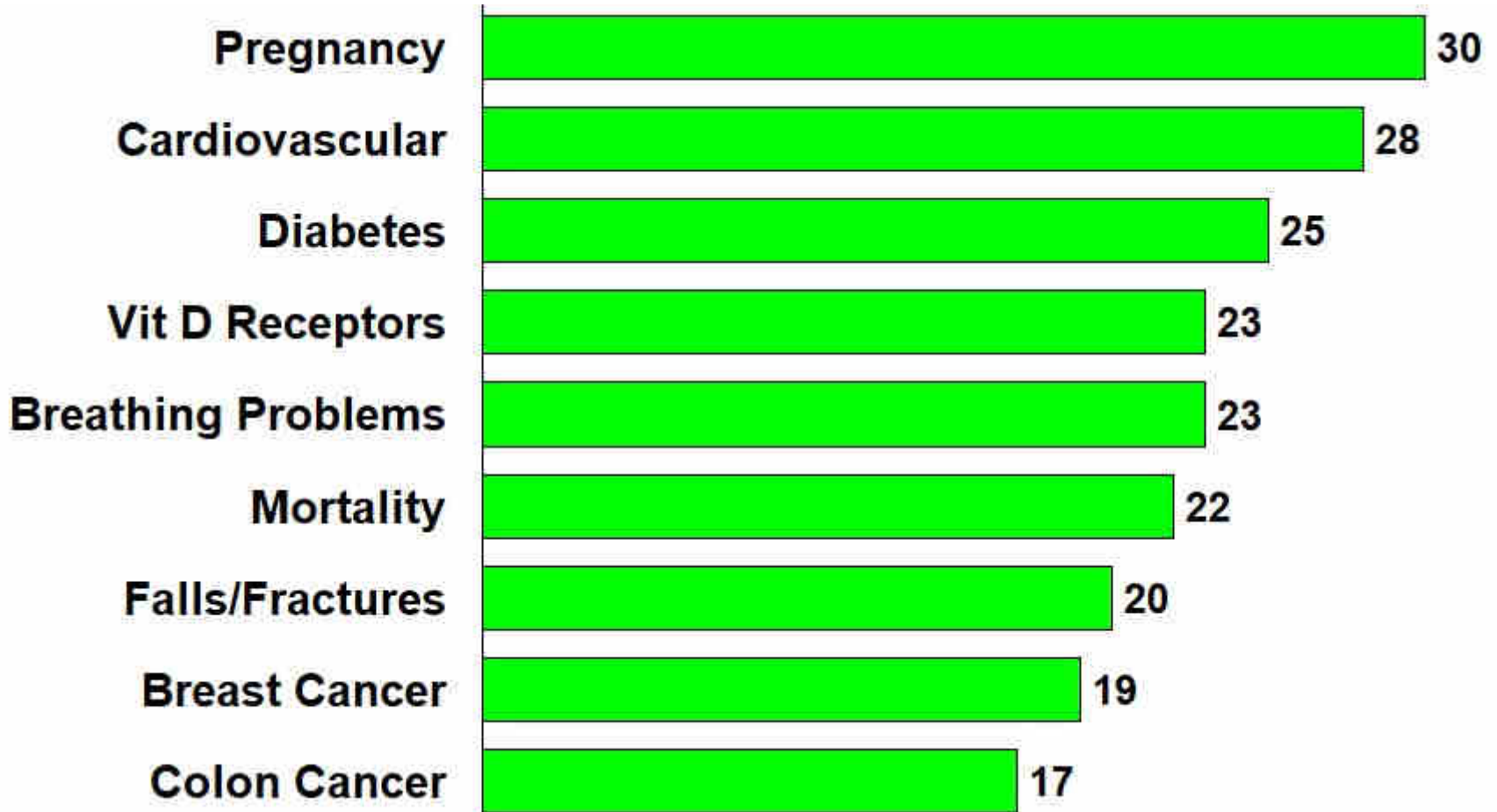
***Larger than the next 5 Vitamin D websites combined**

Number of Studies*



*In Top 13 of 60 health categories

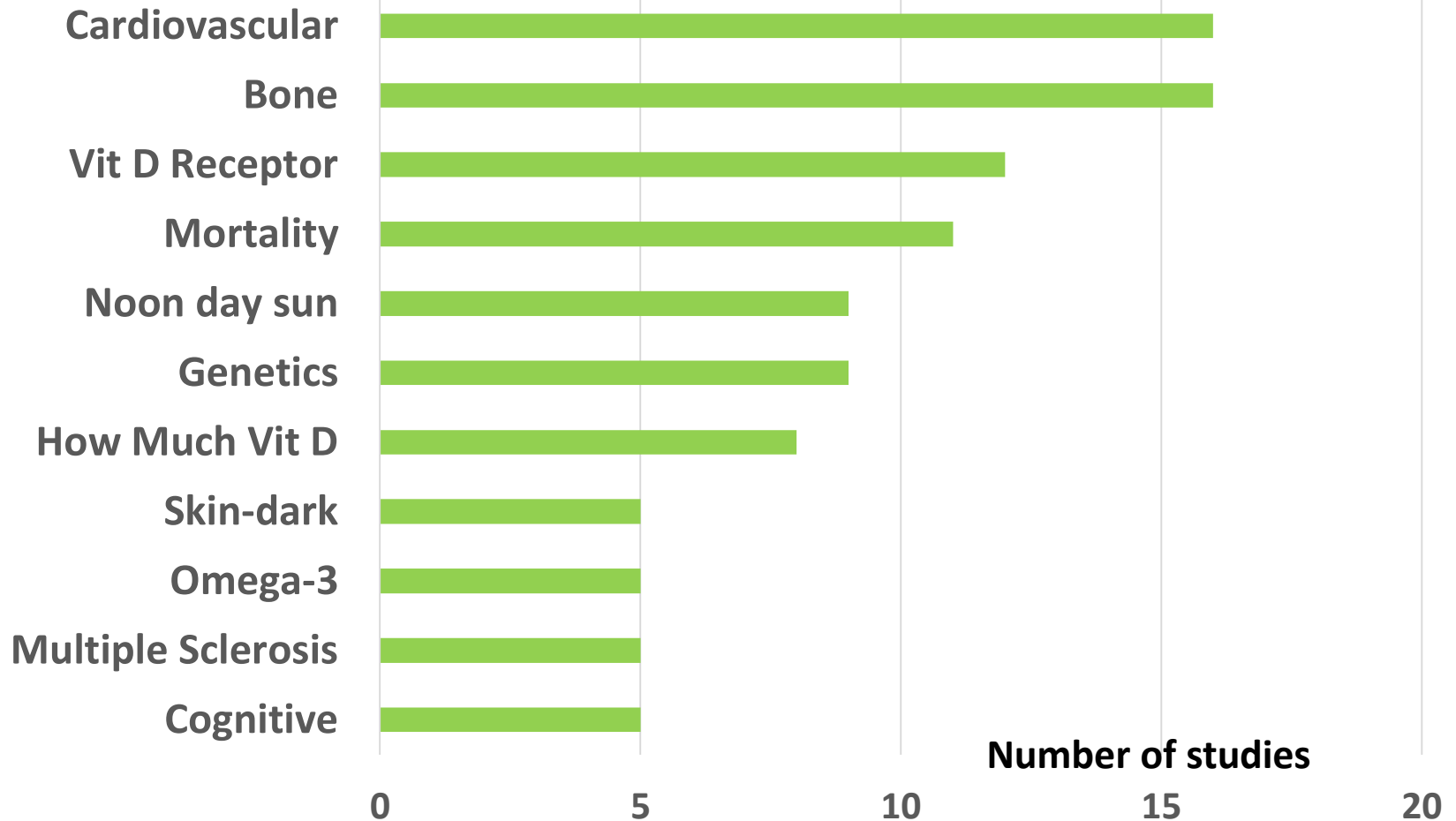
400+ Meta-analyses*



*In Top 9 of 30 health categories having meta-analyses

Explore studies with overlapping categories on VitaminDWiki

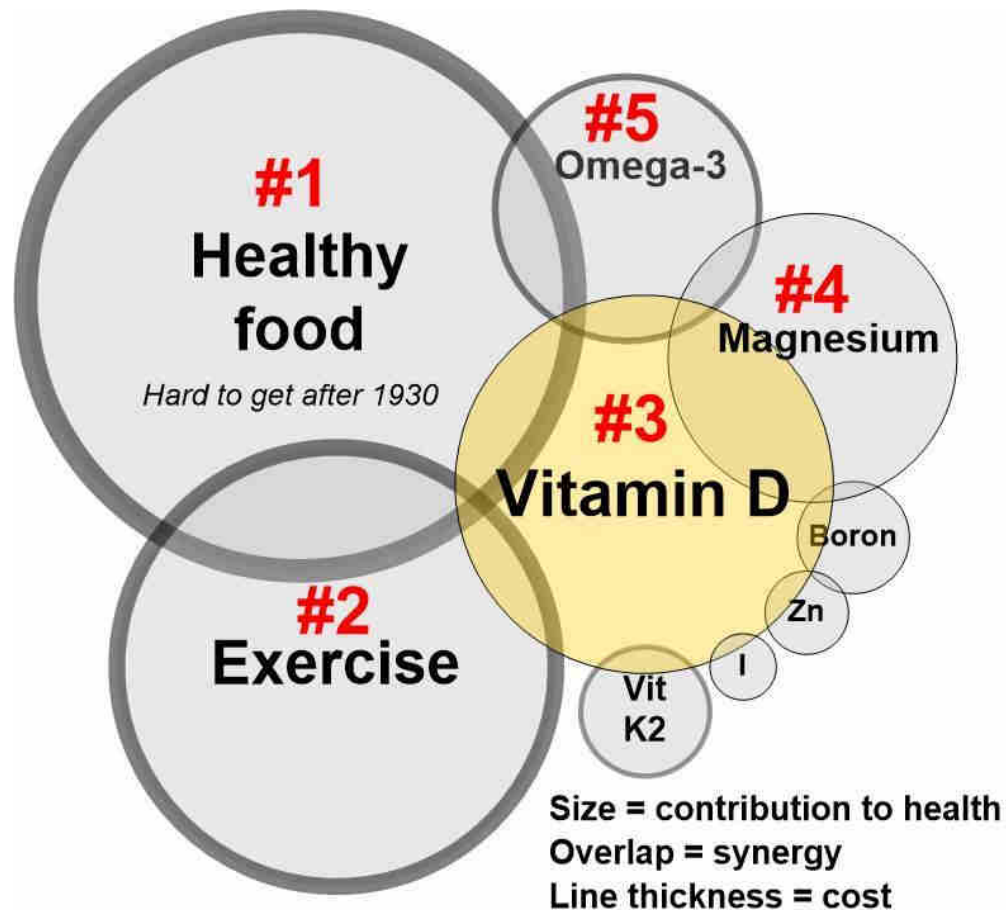
For example, check out Breast Cancer and ...



Vitamin D

#3 most important contributor to health

#1 most cost effective



Vitamin D: Sources and Products

Use if Gut, Liver, & Kidneys are all healthy

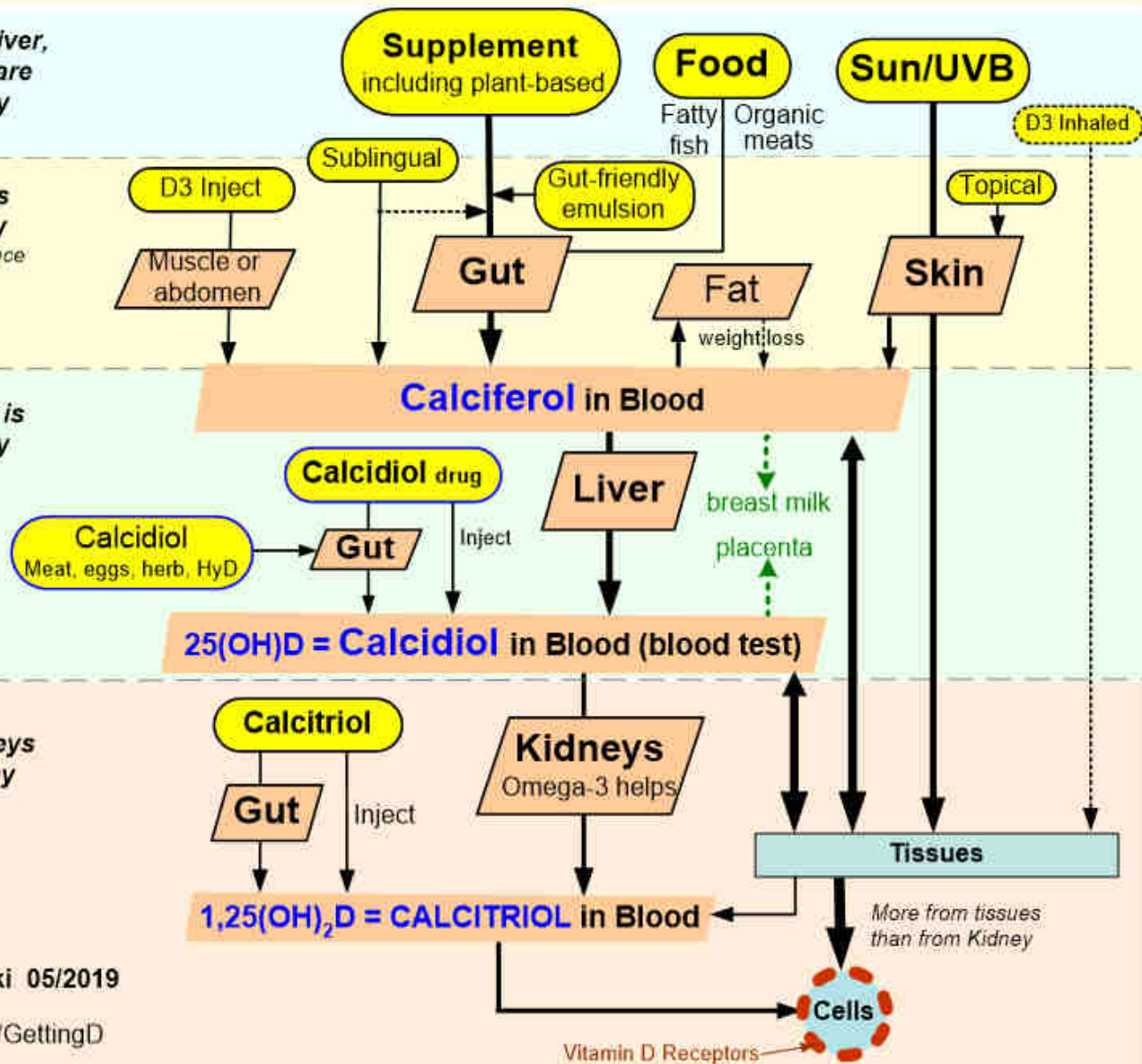
Use if Gut is not healthy or poor compliance

Use if Liver is not healthy

Use if Kidneys not healthy

VitaminDWiki 05/2019

<https://is.gd/GettingD>



4,000 IU/day of Vitamin D is a good dose

US

19 organizations agree*

Institute of Medicine

Endocrine Society, Vitamin D Council

American Academy of Pediatrics (AAP)

American Academy of Dev. Medicine and Dentistry

Europe

Scientific Advisory Committee on Nutrition (UK)

European Food Safety Authority

Central Europe consensus

Italian Endocrinologists, Italian Consensus

Nutrition - French Society of Paediatrics

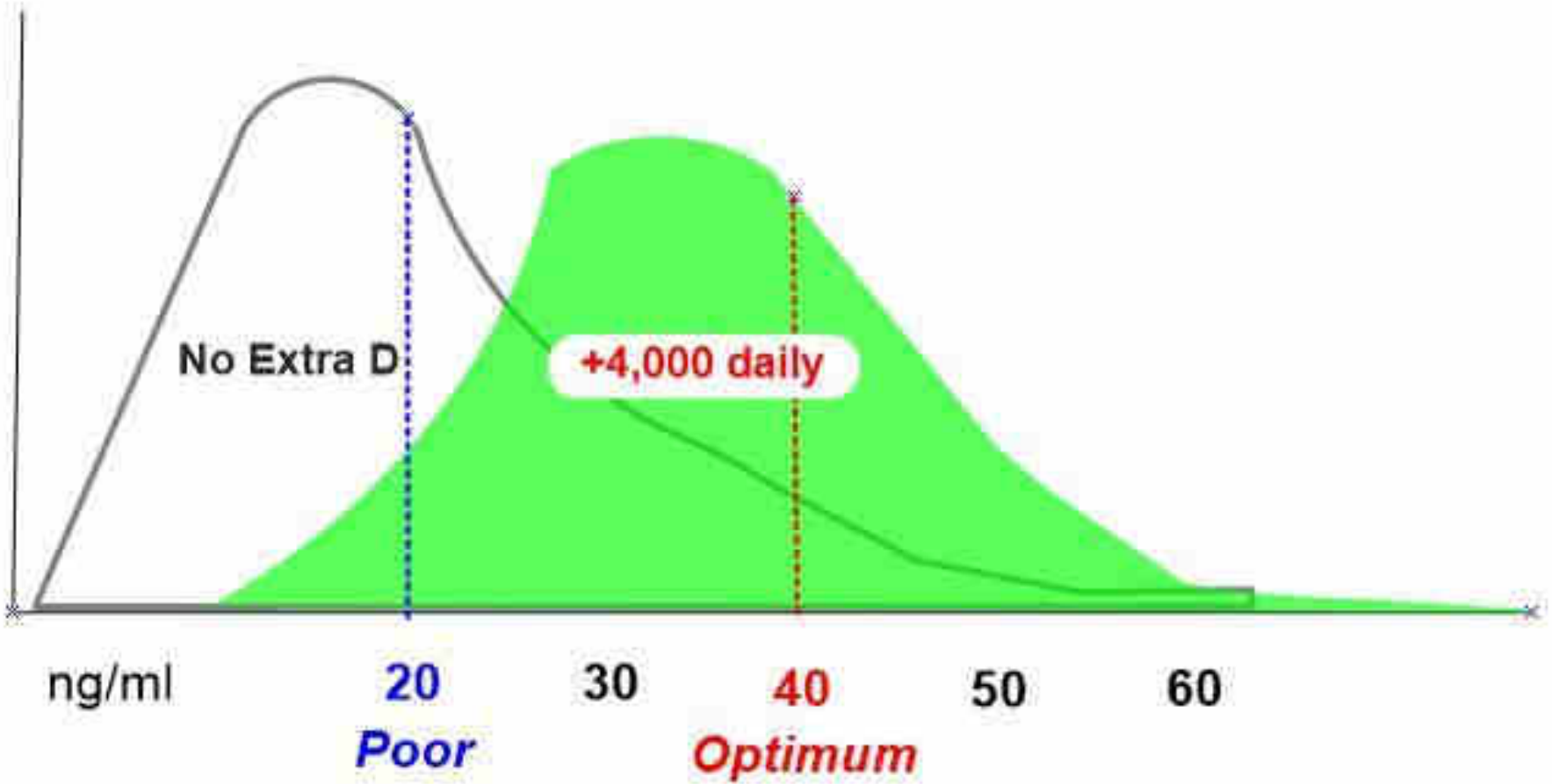
European Society for Paediatric Gastroenterology

European Society for Clinical and Economic Aspects of Osteo...

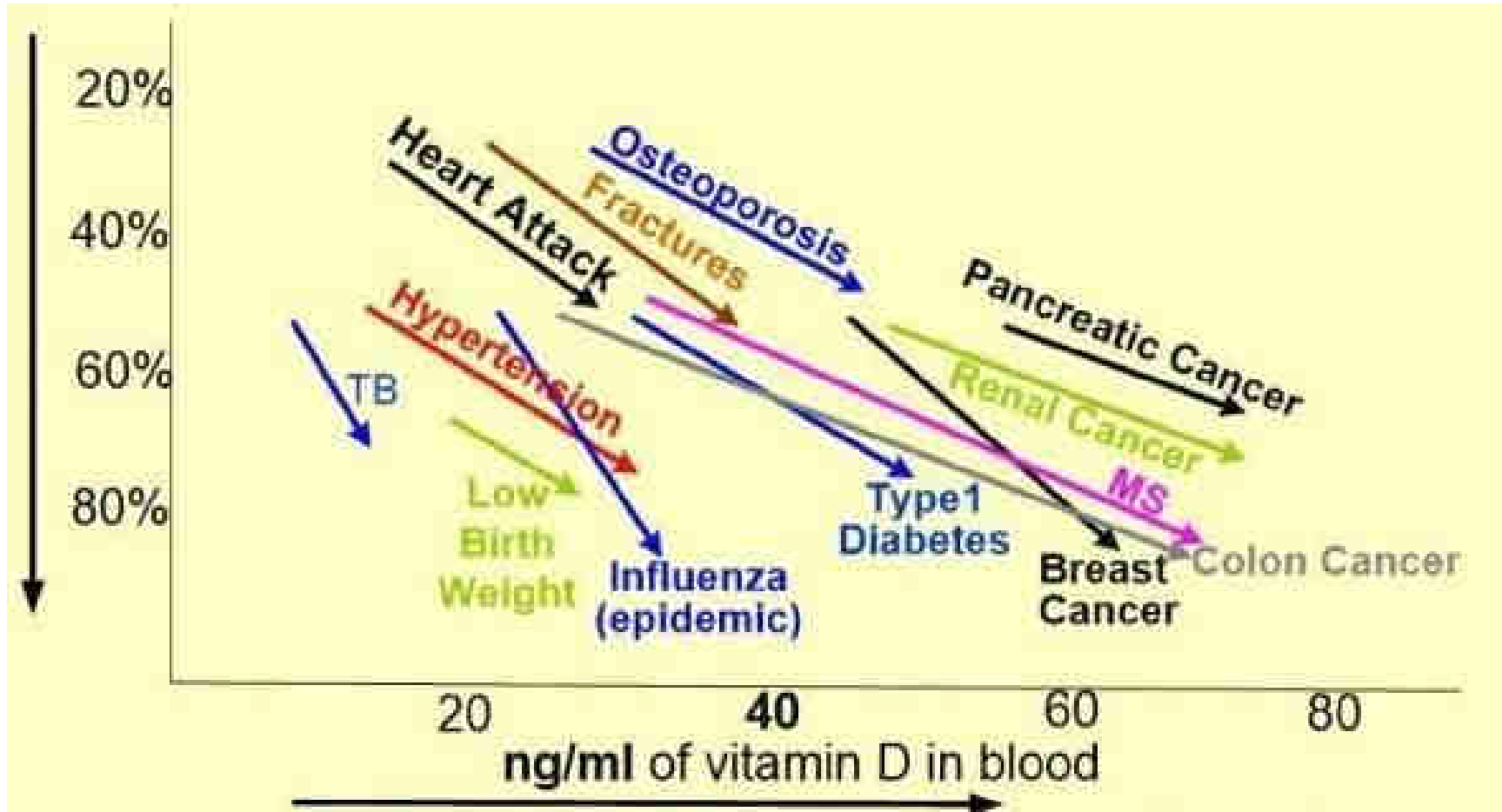
The Nordic Council of Ministers

Health Council of the Netherlands

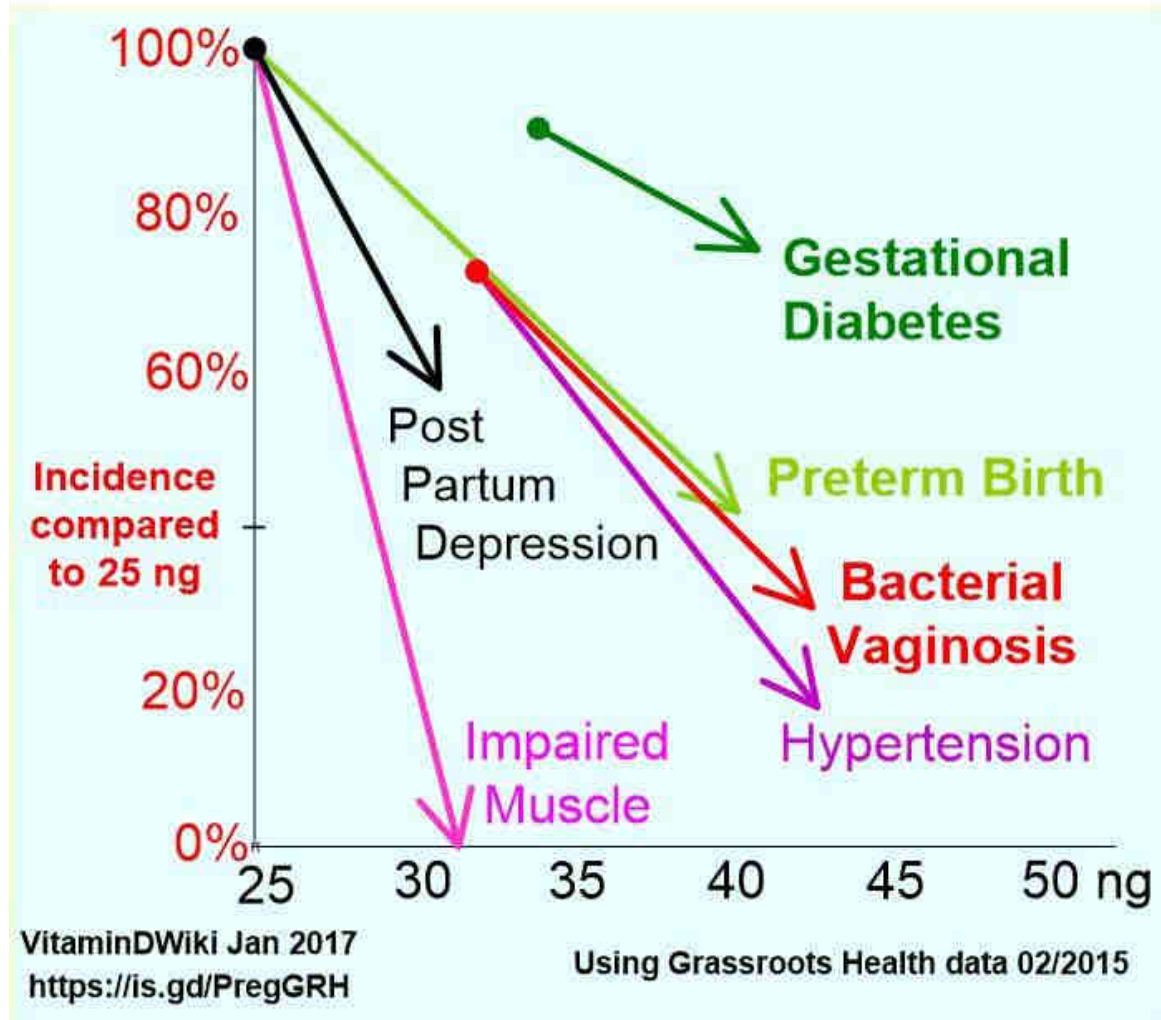
4,000 IU daily results in more people getting a good level of vitamin D



More Vitamin D decreases major health problems



More Vitamin D decreases pregnancy problems

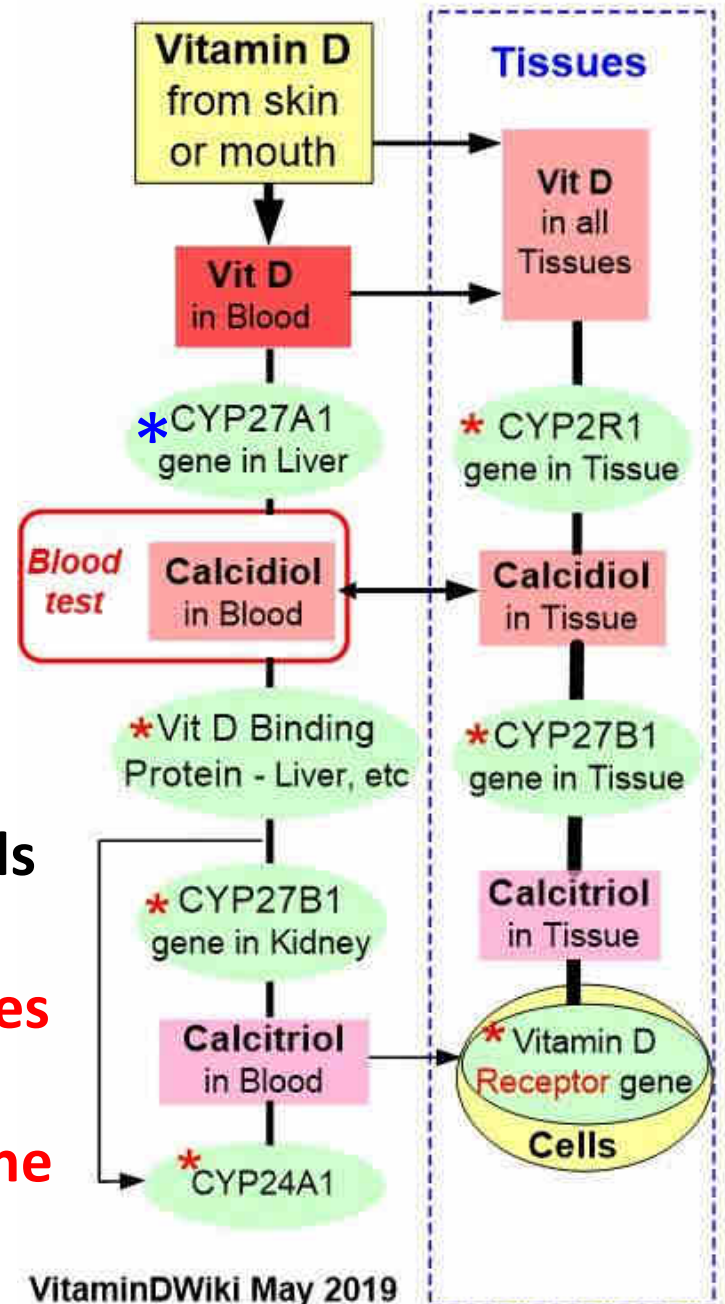


Think outside the blood test

This* is the only gene recognized by the Vitamin D blood test

But any of the genes downstream from the test* could also prevent Vitamin D from getting to your cells

30% of the time, the blood test does not accurately measure how much Vitamin D is actually available to the body



Deactivation of Vitamin D receptors*

Increases by at least 3X the risk of:

Sepsis, Crohn's, Respiratory Tract Infections, Ulcerative Colitis, Coronary Artery Disease, Breast Cancer, Pre-term Birth, Multiple Sclerosis, Ischemic Stroke, Alzheimer's ...

Is caused by some diseases, including some Cancers

*Effect is lessened by certain supplements known to improve health, such as Resveratrol, Omega-3, Zinc, Quercetin, Curcumin, Ginger, ...

Reactivation of Vitamin D receptors

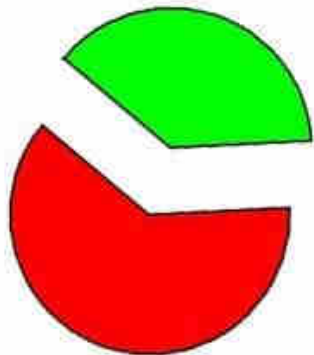
Each of the following have been found to increase Vitamin D in the cells: **magnesium, omega-3, resveratrol, quercetin, zinc, curcumin, ginger, intense exercise, large doses of vitamin D, progesterone, paricalcitol, maxacalcitol**

Unfortunately, it is not yet known how much activator is needed for any given individual

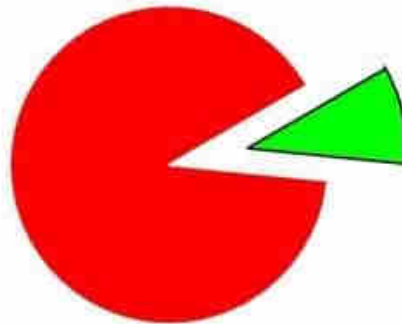
Vitamin D prevents flu better than vaccine

Most people who get
flu shots still get the flu

All ages: 62%

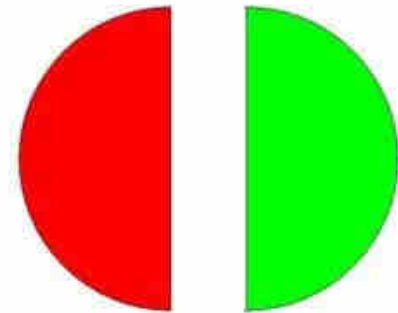


Seniors: 88%



Half of those with lots
of Vitamin D get flu

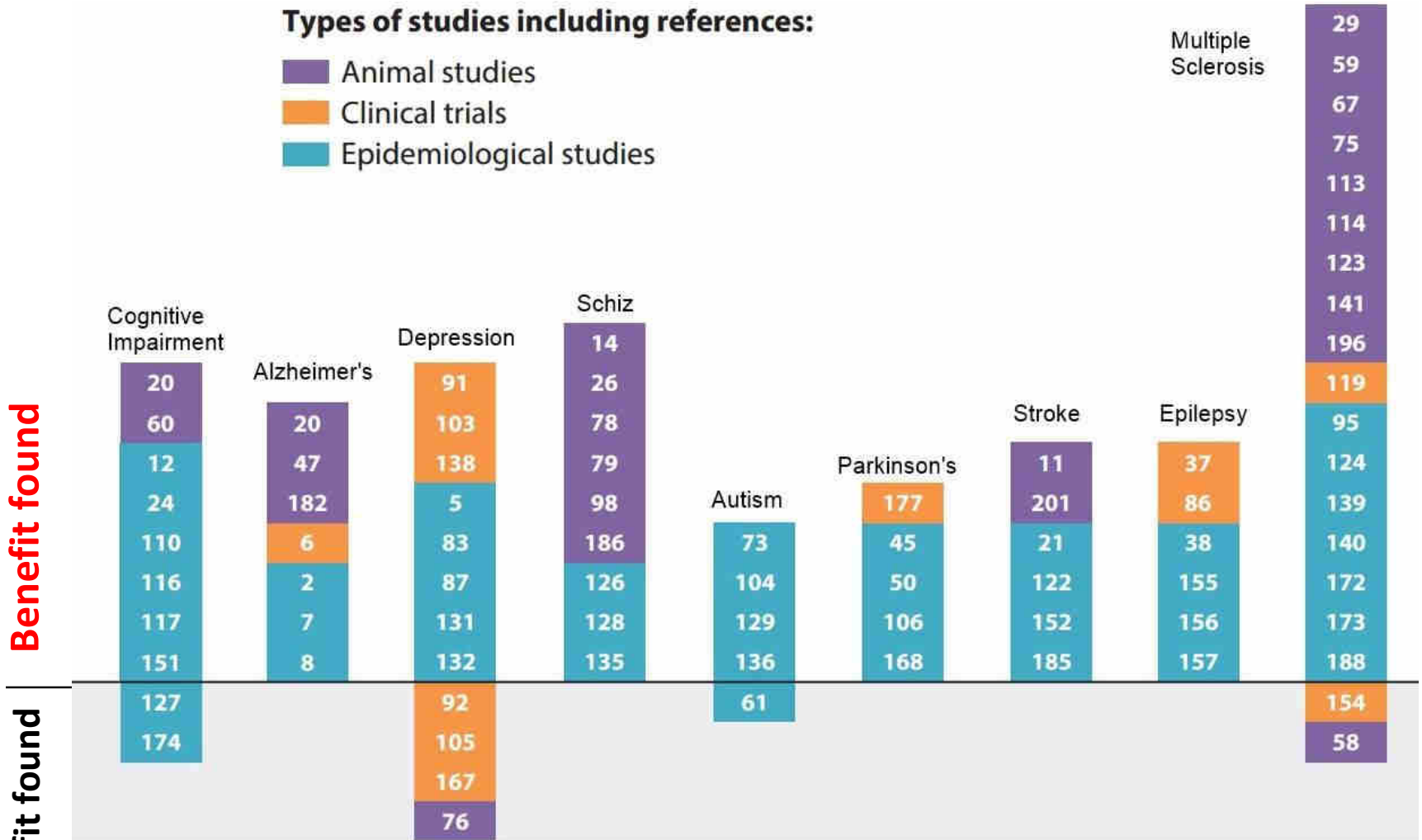
All ages: 50%



Vitamin D helps the brain

Types of studies including references:

- Animal studies
- Clinical trials
- Epidemiological studies



Short URL = is.gd/VitDBrain published 2014

Vitamin D Myths - SUN

10 minutes is enough

- Nope - only if 12 conditions are true: i.e. under 40, summer, white skin, lying down, little clothing

Same amount of vitamin D generated in each portion of skin

- Nope - for example, 8X more Vitamin D generated by hands and face

No Vitamin D from the winter sun

- Nope - winter can provide 500 IU Vitamin D

Should limit time in the sun to reduce cancer

- Nope - low exposure will INCREASE total cancer by 50X

Same IU of Vitamin D to everyone from the sun

- Nope - 4X difference between individuals,
 - without considering additional differences due to skin color, age, obesity, etc.

Sunscreen decreases Skin Cancer

- Nope - and sunscreen often INCREASES Skin cancer by being in sun too long

Short URL= is.gd/MythsSun *VitaminDWiki.com*

Vitamin D Myths - DOSE

600 IU is enough

- Nope - [US govt admitted the mistake](#), [19 organizations](#) and [Dr. Holick](#) agree: 4,000 IU is recommended

Everyone should get the same dose

- Nope - proper dose varies with [weight/obesity](#), [skin color genes](#), [disease](#), etc

2 months restores levels, on-going dose is not needed

- Nope - restoration often needs [4-6 months](#) (without a [loading dose](#)),
- and needs to be continued for life

Daily dosing is best

- Nope - [32 trials proved benefit from weekly or bi-weekly](#),
- [perhaps infrequent dosing is better than daily](#)

Can get enough Vitamin D from milk

- Nope - [10+ glasses of whole milk to get just 800 IU](#)

Short URL = is.gd/MythsDose VitaminDWiki.com

Vitamin D Myths - OTHER

Oil-based Vitamin D is OK

- Nope - Oil-based D is not OK if no [oil at the meal](#) or no [gallbladder](#)

Only need Vitamin D

- Nope - [Cofactors](#) are needed if take >4,000 IU (Magnesium, Vit K, Omega-3, etc)

Can get enough Vitamin D from food

- Nope: No longer does meat, lard have much Vitamin D
- Nope: [No longer do people eat much fatty or wild caught fish](#)
- Nope: No longer do people often eat organ meats
- Nope: No longer does food have enough [Magnesium](#) to utilize Vitamin D

Little Vitamin D in meat and eggs

- Nope: [Studies rarely consider](#) the semi-activated form Vitamin D
- underestimated the amount available from meat and eggs by a factor of 6 to 9

>10,000 IU can be toxic

- Nope - [Large doses are OK if cofactors are taken correctly](#)

Blood test: Indicates how much Vitamin D is getting to tissue

- Nope - Vit D can be limited by [one or more of 5 genes downstream from Vit D test](#),
- especially the [Vitamin D Receptor gene](#)

Which organizations will gain by increased levels of Vitamin D?

1) Employers: Cost-effective way to increase productivity: Reduce common ailments by providing free vitamin D

Decrease Flu, Cold, Headache, feel poorly
Reduces Sick Leave,
Reduces working while sick

2) Professional Football team: Greatly decrease sprains, concussions, while improving performance

High Dose Vitamin D Protocols

	Dr. Coimbra books 2018 2016	Dr. Somerville Optimal Dose (book)	Dr. Gominak	Mr. Batcheller
Health problem	MS and auto-immune	All - emphasis on sleep, flu, pain, obesity	Sleep	Cluster Headaches
Number of people (2019)	20,000	5,000	5,000	1,900
Vitamin D target	PTH is target (typically 150ng)	100-140+ ng	60-80 ng	80 ng
Vitamin D dose (K = 1,000 IU)	20K - 200K 1,000 IU/kg	30K	2K + monthly test increasing dose until goal	4K - 40K 110 IU/kg
Magnesium *	Mg	Mg	---	Mg
Vitamin K2	K2	K2	---	K2
Omega-3 *	O-3	O-3	---	O-3
Vitamin B...	B2, B9, B12	B3	B50-B100 3 months	B50

Short URL = is.gd/HighD

Inhaled D exploration by VitaminDWiki

Lungs can fully activate inhaled Vitamin D

Vitamin D mists can be made by atomizers from diluted Vitamin D emulsions

Atomizers eject about 150 IU of Vitamin D per second

10 people tested as of May 2019 - all able to breathe better in 10 minutes

Initial testing with smoke, church incense, asthma, intense exercise, COPD

Experimenting with 6 emulsions and 6 inhalers as of May 2019*

6 seconds inhaled daily for a month created about 30X more response than oral

* The cost of inhaler plus Vitamin D emulsion is typically less than \$50



10 minute Vitamin D test

Nanospeed has sold >1 million of their qualitative testers globally.

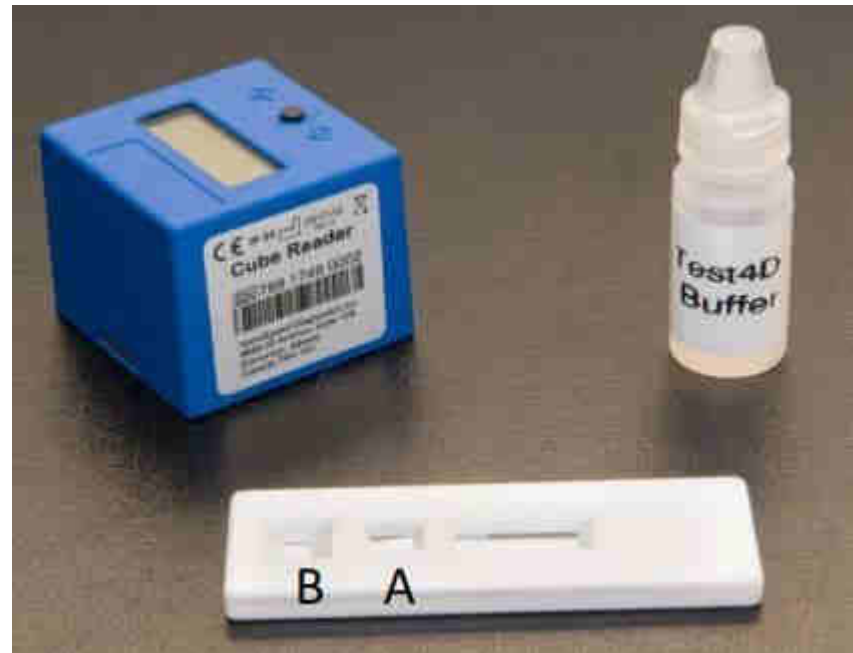
Since Feb 2018 Nanospeed has also sold quantitative testers at **\$13** in quantity including the readout device

“Correlation coefficient of 93.5% in comparison to LCMS assay”
Approximately 12% accuracy (example: within 5 ng of 40 ng)

As of May 2019 both testers
can be used in the US,
but not sold nor billed

Nanospeed is making a
smartphone app that can take
the place of the readout cube

VitaminDWiki.com *is.gd/FastVitDtest*



Ouch-less blood sampling

Sample in-home then mail in to get results for

**Vitamin D + Omega-3 + Magnesium + Zinc
+ Copper + Vitamin B12 + Vitamin E + Selenium**

**\$99 for the test AND they send 1 month supply
of the nutrients you are deficient in (daily packets)**

www.baze.com started 2018 - US only initially

**Sampling done on a weekday before breakfast.
Device sucks about 4 drops of blood from your
leg via microneedles in a few minutes.**



“Vitamin D” shirt

Get up to 70% more Vitamin D if wear
a “Vitamin D” vs a normal shirt

“Vitamin D” cloth SPF = 2
Standard cloth SPF = 50

Cooltan.com, for example, makes
clothing with measured SPF =2

